saving an association of the first device with the request;

sending the request to the second device;

receiving a virtual circuit response from the second device, wherein the virtual circuit response contains a virtual circuit identification assigned for the virtual circuit connection;

saving an association between the virtual circuit identification with the first device; and

sending the virtual circuit response to the first device.

Claim 20 (new): The method according to claim 19, wherein the step of saving an association between the virtual circuit identification with the first device further comprises the steps of:

determining an address of the first device from the request;

generating a call reference value to identify the first device; and

saving an association between the call reference value with the address of the first device.

Claim 21 (new): The method according to claim 19, wherein the step of saving an association between the virtual circuit identification with the first device comprises the steps of:

determining an address of the first device from the request; and

saving an association between the virtual circuit identification with the address of the first device.

Claim 22 (new): The method according to claim 19, further comprising the step of transmitting data between the first device and the second device using the virtual circuit identification.

Claim 23 (new): The method according to claim 19, wherein the virtual circuit network is an asynchronous transfer mode network.

Claim 24 (new): A host computer for transmitting data between a first device on a local area network and a second device on a virtual circuit network comprising:

a network program extracting a virtual circuit message from a device message, wherein the virtual circuit message includes a virtual circuit identification assigned to the first device for a virtual circuit connection with the second device;

a call deflector program saving an association between the virtual circuit identification and the first device, wherein the association is usable for communications between the first device and the second device; and

a packet switching program passing data between the first device and the second device based on the association.

Claim 25 (new): The host computer according to claim 24 further comprising a call deflector table storing the association between the virtual circuit identification and the first device.

Claim 26 (new): The host computer according to claim 24 further comprising a bus driver extracting the device message from a bus-specific message, and passing the device message to the network program.

Claim 27 (new): The host computer according to claim 24, wherein the network program determines an address of the first device from the device message.

Claim 28 (new): The host computer according to claim 27, wherein the call deflector generates a call reference value to identify the first device, and saves an association between the call reference value with the address of the first device.

Claim 29 (new): The host computer according to claim 27, wherein the call deflector saves an association between the virtual circuit identification with the address of the first device.

Claim 30 (new): The host computer according to claim 24, wherein the virtual circuit identification is usable for transmitting data between the first device and the second device.

Claim 31 (new): The host computer according to claim 24, wherein the virtual circuit network is an asynchronous transfer mode network.

Claim 32 (new): A computer-readable medium having computer-executable instructions for performing steps comprising:

receiving a request from the first device for virtual circuit connection with the second device;

saving an association of the first device with the request;

sending the request to the second device;

receiving a virtual circuit response from the second device, wherein the virtual circuit response contains a virtual circuit identification assigned for the virtual circuit connection;

saving an association between the virtual circuit identification with the first device; and

sending the virtual circuit response to the first device.

Claim 33 (new): The computer medium of claim 32, wherein the step of saving an association between the virtual circuit identification with the first device further comprises the steps of:

determining an address of the first device from the request;

generating a call reference value to identify the first device; and

saving an association between the call reference value with the address of the first device.

Claim 34 (new): The computer medium of claim 32, wherein the step of saving an association between the virtual circuit identification with the first device further comprises the steps of:

determining an address of the first device from the request; and